AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A heart treatment equipment for treating a patient comprising:

a nerve stimulator for generating a nerve stimulating signal for stimulating a vagus nerve;

a sensor for sensing living body information of the patient; and

a controller connected to said nerve stimulator and said sensor,

wherein said controller comprises a nerve stimulation parameter table memory at which is memorized at least one table relating to a plurality of nerve stimulation parameters in response to sensed values by said sensor, said controller controlling ~~controls~~ said nerve stimulator ~~in response to an output of said sensor~~ based on control of the nerve stimulation parameters selected from the nerve stimulation parameter table memory.

2. (Canceled)

3. (Currently Amended) A heart treatment equipment according to claim ~~2~~ 1, wherein said nerve stimulation parameters stored in said nerve stimulation parameter table memory are a plurality of stored values with respect to at least one of a period between pulses, a pulse width, a number of pulses, a pulse current, a

pulse voltage, a delay time, a rest time and a repetitive number or with respect to a multiple combination chosen from these.

4. (Original) A heart treatment equipment according to claim 1, wherein said sensor detects a ventricle contractility.

5. (Original) A heart treatment equipment according to claim 4, wherein the ventricle contractility is related to one of a QT interval, an intracardiac electrogram area, a pre-ejection period, a stroke volume and a ventricle pressure.

6. (Previously Presented) A heart treatment equipment according to claim 4, wherein said controller controls said nerve stimulator so as to stop the generation of said nerve stimulating signal when the ventricle contractility is out of a predetermined range.

7. (Previously Presented) A heart treatment equipment according to claim 1, wherein said sensor senses an activity.

8. (Previously Presented) A heart treatment equipment according to claim 1, wherein said sensor senses a respiration.

9. (Currently Amended) A heart treatment equipment according to claim 1, wherein said sensor senses a blood.

10. (Previously Presented) A heart treatment equipment according to claim 1, further comprising a heart stimulator for generating a heart stimulating pulse for stimulating the heart, wherein when the heart rate decreases below a predetermined rate, said heart stimulator stimulates the heart at said predetermined rate.

11. (Currently Amended) A heart treatment equipment comprising:

a nerve stimulator for generating a nerve stimulating signal for stimulating a vagus nerve;

a heart abnormal detector for detecting an abnormal condition of the heart; and

a controller for connecting said nerve stimulator and said heart ~~stimulator~~ abnormal detector,

wherein said controller comprises a nerve stimulation parameter table memory at which is memorized at least one table relating to a plurality of nerve stimulation parameters in response to output from the heart abnormal detector, said controller controlling ~~controls~~ said nerve stimulator ~~in response to an output of said heart abnormal detector~~ based on the control of the nerve stimulation parameters selected from the nerve stimulation parameter table memory.

12. (Currently Amended)

13. (Previously Presented) A heart treatment equipment according to claim 11, further comprising a heart event detector for detecting a heart event,

wherein said heart abnormal detector is a risk event detector connected to said heart risk event detector for detecting a tachycardia risk event.

14. (Currently Amended) A heart treatment equipment according to claim ~~12~~ 11, wherein said nerve stimulation parameters are a plurality of stored values with respect to at least one of a period between pulses, a pulse width, a number of pulses, a pulse current, a pulse voltage, a delay time, a rest time and a repetitive number or with respect to a multiple combination chosen from these.

15. (Original) A heart treatment equipment according to claim 13, wherein said risk event includes an increase of the heart rate.

16. Original) A heart treatment equipment according to claim 13, wherein said risk event includes a premature contraction.

17. (Original) A heart treatment equipment according to claim 13, wherein said risk event includes an early afterdepolarization.

18. (Original) A heart treatment equipment according to claim 13, wherein said tachycardia risk event includes a delayed afterdepolarization.

19. (Original) A heart treatment equipment according to claim 13, further comprising a heart stimulator for generating a heart stimulating pulse for stimulating

the heart, wherein when the heart rate decreases below a predetermined rate, said heart stimulator stimulates the heart at said predetermined rate.

20. (Currently Amended) A heart treating method comprising:

~~process for~~ sensing living body information; ~~and~~

selecting from a nerve stimulation parameter table a variable parameter suitable for said living body information in response to the sensed living body information; and

~~process for~~ stimulating a vagus nerve in accordance with ~~a~~ the variable parameter ~~suitable for said living body information in response to the sensed living body information~~.

21. (Original) A heart treating method according to claim 20, wherein said living body information is sensed information of a heart.

22. (Original) A heart treating method according to claim 20, wherein said living body information is sensed information of a signal relied upon an autonomic nerve activity.

23. (Original) A heart treating method according to claim 20, wherein said parameter is at least one of a period between pulses, a pulse width, a number of pulses, a pulse current, a pulse voltage, a delay time, a rest time and a repetitive number or is a multiple combination chosen from these.